IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Previously Presented): A radio communications control system for controlling transmission power of a shared control channel for transmitting control signals to a plurality of mobile stations; the system comprising:

a determination unit configured to determine a communication quality of the shared control channel; and

a transmission power controller configured to control the transmission power of the shared control channel based on a transmission power of a dedicated channel accompanying the shared control channel and the communication quality of the shared control channel received from the determination unit by adding a power offset to a value of the transmission power of the dedicated channel, said power offset being determined based on a block error rate of the shared control channel and a service type of a shared packet channel for transmitting packet data to the plurality of mobile stations.

Claim 2 (Previously Presented): The radio communications control system as set forth in claim 1, wherein

the transmission power controller is configured to control the power offset in accordance with the communication quality of the shared control channel.

Claim 3 (Previously Presented): A radio communications control system for controlling transmission power of a shared control channel for transmitting control signals to a plurality of mobile stations; the system comprising:

a determination unit configured to determine a communication quality of the shared control channel; and

a transmission power controller configured to control the transmission power of the shared control channel based on a transmission power of a dedicated channel accompanying the shared control channel and the communication quality of the shared control channel received from the determination unit,

wherein the transmission power controller is configured to set the transmission power of the shared control channel by changing the transmission power of the dedicated channel based on a power offset, to control the power offset in accordance with the communication quality of the shared control channel, is configured to use a block error rate of the shared control channel as the communication quality of the shared control channel, and is configured to control the power offset so that the block error rate of the shared control channel can reach a target value.

Claim 4 (Currently Amended): A radio communications control system for controlling transmission power of a shared control channel for transmitting control signals to a plurality of mobile stations; the system comprising:

a determination unit configured to determine a communication quality of the shared control channel; and

a transmission power controller configured to control the transmission power of the shared control channel based on a transmission power of a dedicated channel accompanying the shared control channel and the communication quality of the shared control channel received from the determination unit,

wherein the transmission power controller is configured to set the transmission power of the shared control channel by changing the transmission power of the dedicated channel based on a power offset and is configured to control the power offset in accordance with the communication quality of the shared control channel, and

the transmission power controller is configured to use feedback information used for retransmission control in a shared packet channel for transmitting packet data to the plurality of mobile stations as the communication quality of the shared control channel, is configured to decrease the power offset when receiving the feedback information, and is configured to increase the power offset when not receiving the feedback information.

Claim 5 (Previously Presented): A radio communications control system for controlling transmission power of a shared control channel for transmitting control signals to a plurality of mobile stations; the system comprising:

a determination unit configured to determine a communication quality of the shared control channel; and

a transmission power controller configured to control the transmission power of the shared control channel based on a transmission power of a dedicated channel accompanying the shared control channel and the communication quality of the shared control channel received from the determination unit,

wherein the transmission power controller is configured to set the transmission power of the shared control channel by changing the transmission power of the dedicated channel based on a power offset and is configured to control the power offset in accordance with the communication quality of the shared control channel, and

the transmission power controller is configured to control the power offset in accordance with a service type of a shared packet channel for transmitting packet data to the plurality of mobile stations.

Claim 6 (Previously Presented): The radio communications control system as set forth in claim 1, further comprising a maximum transmission power controller configured to

control a maximum transmission power of the shared control channel during a predetermined period;

and wherein the transmission power controller is configured to control the transmission power of the shared control channel so as not to exceed the maximum transmission power.

Claim 7 (Previously Presented): A radio communications control system for controlling transmission power of a shared control channel for transmitting control signals to a plurality of mobile stations; the system comprising:

a determination unit configured to determine a communication quality of the shared control channel; and

a transmission power controller configured to control the transmission power of the shared control channel based on a transmission power of a dedicated channel accompanying the shared control channel and the communication quality of the shared control channel received from the determination unit;

a maximum transmission power controller configured to control a maximum transmission power of the shared control channel during a predetermined period;

wherein the transmission power controller is configured to control the transmission power of the shared control channel so as not to exceed the maximum transmission power, and

the maximum transmission power controller is configured to control the maximum transmission power in accordance with a statistical value of the transmission power of the shared control channels.

Claim 8 (Previously Presented): The radio communications control system as set forth in claim 6, wherein the maximum transmission power controller is configured to control the maximum transmission power so as not to exceed an upper limit value per each of the shared control channels.

Claim 9 (Previously Presented): A radio communications control method implemented on a radio communications control device for controlling transmission power of a shared control channel for transmitting control signals to a plurality of mobile stations; the method comprising:

determining, at a determination unit of the radio communications control device, a communication quality of the shared control channel; and

controlling, at a transmission power controller of the radio communications control device, the transmission power of the shared control channel based on a transmission power of a dedicated channel accompanying the shared control channel and the determined communication quality of the shared control channel by adding a power offset to a value of the transmission power of the dedicated channel, said power offset being determined based on a block error rate of the shared control channel and a service type of a shared packet channel for transmitting packet data to the plurality of mobile stations.